

### ABSTRACT

This invention relates to methods and compositions for diagnosing and treating neuropsychiatric disorders, such as schizophrenia, schizoaffective disorder, bipolar affective disorder, unipolar affective disorder and adolescent conduct disorder. In particular, the invention provides novel variants of CADPKL nucleic acid sequences, as well as novel CADPKL polypeptides encoded by these variant sequences. The variant CADPKL nucleic acid sequences provided by this invention, as well as the variant polypeptides they encode are ones that statistically correlate with the presence of a neuropsychiatric disorder in individuals. The invention therefore also provides methods and compositions for using these variant nucleic acids and polypeptides to diagnose and treat such neuropsychiatric disorders.

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